

REMARKS

Receipt of the Office Action of October 18, 2010 is gratefully acknowledged.

Claims 6-9 have been rejected under 35 USC 101 as being directed to non-statutory subject matter, and claims 6-9 have been rejected under 35 USC 103(a) as being unpatentable over Tran in view of Nevil et al.

Claims 6-9 have been cancelled, and new claims 10 and 11 have been drafted.

Applicant respectfully submits that the newly added claims are supported by the application as originally filed and do not contain any new matter. In addition, Applicant respectfully submits that the new set of claims would not be properly rejected based upon the art of record.

As per claim 10, Applicant discloses a look-ahead stack management system for configuring a look-ahead state of an operand stack in a computer system capable of executing plural stack instructions per cycle, comprising:

a data storing means having entries each being able to hold data (In the Specification, the data storing means is referred to as the data file)(page 16 line 14 – page 17 line 3, figure 1 element 6, and figure 4);

a look-ahead mapping means having entries each being able to hold an entry address in said data storing means, said look-ahead mapping means being able to hold a configuration of a look-ahead state of the operand stack in such a manner that, for each entry of said look-ahead mapping means that is to hold an entry address in said data storing means allocated to an operand stack element, the address of the entry of said look-ahead mapping means is to indicate the number of operand stack elements over said operand stack element (In the Specification, the look-ahead mapping means is referred to as the advanced mapping file)(page 14 line 23 – page 16 line 13, and figure 3 element 3a);

a free list that is designed to hold addresses of free entries of said data storing means (page 22 lines 10-12);

a means for presenting substance of a modification on said look-ahead mapping means indicated in a group of stack instructions in a form that comprise, in case said

group of stack instructions are to update/add stack elements in the operand stack, an amount of stack growth and a series of signs to express the updated/added part of the operand stack, each of said signs indicating either an issue slot of said free list or an entry of said look-ahead mapping means (page 8 line 11 – page 11 line 7, and page 42 lines 17-24); and

a means for making a modification on said look-ahead mapping means in accordance with said substance of said modification presented in said form (page 23 line 21 – page 24 line 21).

Claims 11 is identical to claims 10 except that, in the 5th paragraph, the phrase "each of said signs indicating either an issue slot of said free list or an entry of said look-ahead mapping means" is changed to the phrase "each of said signs being to be replaced by an entry address in said data storing means".

Applicant also describes an example action of the look-ahead stack management system of claim 10/11 in page 28 line 1 – page 31 line 2.

In view of the above, therefore, it is respectfully requested that this Amendment be entered, favorably considered and the case passed to issue.

The undersigned respectfully submits that the amendments to the claims and the arguments presented above are based upon those made by the Applicant and submitted to the undersigned for inclusion in this Amendment.

Applicant further respectfully and retroactively requests a two (2) month extension of time to respond to the office action and enter this amendment and respectfully requests that the extension fee in the amount of \$245.00 (Fee Code: 2252) be charged to DLA PIPER Deposit Account No. 07-1896.

In view of the above, therefore, it is respectfully requested that this Amendment be entered, favorably considered and the case passed to issue.

Appl. No. 10/526,022
Amdt. dated March 18, 2011
Reply to Office Action of October 18, 2010

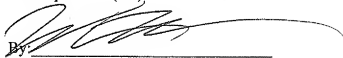
Attorney Docket No. 374973-000002
Customer No.: 73230

Please charge any additional costs incurred by or in order to implement this
Amendment or required by any requests for extensions of time to DLA PIPER Deposit
Account No. 07-1896.

Respectfully submitted,

DLA Piper LLP (US)

Date: March 18, 2011

By: 

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